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MAR 05 2003

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February 27, 2003

Commissioner for Patents
Washington, D.C. 20231

Re: U.S. Patent Application Serial No.: 09/819,104
For: *NOVEL NUCLEAR RECEPTOR COREPRESSOR MOLECULES AND USES THEREFOR*
Inventors: Chen, J. Don
Filed: March 27, 2001
Our Ref. No.: UMG-030

Dear Sir:

I enclose herewith for filing in the above-identified application the following:

1. Information Disclosure Statement;
2. PTO Form 1449;
3. Copies of references cited in PTO Form 1449 (46); and
4. A Return Postcard.

No additional costs are believed to be due in connection with the filing of this Information Disclosure Statement. However, please charge any necessary fees in connection with the enclosed statement to our Deposit Order Account No. 12-0080. For this purpose, a duplicate of this sheet is attached.

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Ilidio P. Cardoso

Please Print Name of Person Signing

LAHIVE & COCKFIELD, LLP
Attorneys at Law

By

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In re the application of: Chen, J. Don

Group Art Unit: 1645

Serial No.: 09/819,104

Examiner: Not Yet Assigned

Filed: March 27, 2001

For: *NOVEL NUCLEAR RECEPTOR
COREPRESSOR MOLECULES AND USES
THEREFOR*

Attorney Docket No.: UMG-030

Commissioner for Patents
Washington, D.C. 20231

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Ilidio P. Cardoso

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INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicant and Applicant's Attorney are aware of the following publications and information, listed on the attached PTO Form 1449, and in accordance with 37 CFR §1.97 hereby submit these publications for the Examiner's consideration. A copy of each cited publication is enclosed.

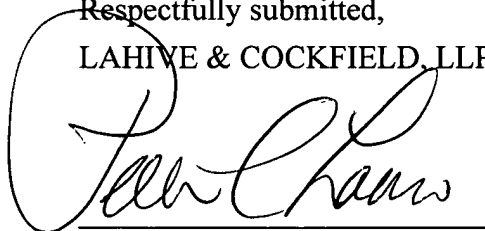
This statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any publication herein be construed *per se* as a representation that such publication is prior art. Moreover,

Applicant understands that the Examiner will make an independent evaluation of the cited publications.

Under 37 CFR § 1.97(b)(3), no additional costs are believed to be due in connection with the filing of this disclosure. If, however, a first Office Action on the merits issues in this application bearing a mailing date prior to the date of this Information Disclosure Statement, please charge the appropriate fee as required under 37 CFR §1.17(p) to our Deposit Order Account No. 12-0080.

Respectfully submitted,

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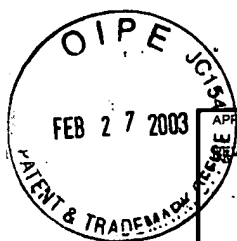
A handwritten signature in black ink, appearing to read "Peter C. Lauo", is written over a horizontal line.

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| LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary) | | APPLICANT Chen, J. Don | |
| | | FILING DATE March 27, 2001 | GROUP 1645 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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FOREIGN PATENT DOCUMENTS

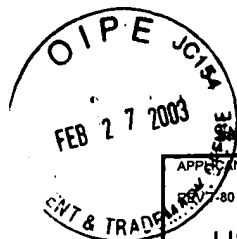
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OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|----------|---|-----------------|
| A1 | GenBank Acc. No. AF125672 for <i>Homo sapiens</i> silencing mediator of retinoic acid and thyroid hormone receptor extended isoform (SMRTE) mRNA, complete cds | |
| A2 | GenBank Acc. No. AF125671 for <i>Mus musculus</i> silencing mediator of retinoic acid and thyroid hormone receptor extended isoform (Smrte) mRNA, complete cds | |
| A3 | Aasland <i>et al.</i> "The SANT domain: a putative DNA-binding domain in the SWI-SNF and ADA complexes, the transcriptional co-repressor N-CoR and TFIIIB." <i>Trends Biochem. Sci.</i> 1996 Mar;21(3):87-8 | |
| A4 | Ait-Si-Ali <i>et al.</i> "Histone acetyltransferase activity of CBP is controlled by cycle-dependent kinases and oncoprotein E1A." <i>Nature</i> 1998 Nov 12;396(6707):184-6 | |
| A5 | Alland <i>et al.</i> "Role for N-CoR and histone deacetylase in Sin3-mediated transcriptional repression." <i>Nature</i> 1997 May 1;387(6628):49-55 | |
| A6 | Baniahmad <i>et al.</i> "A transferable silencing domain is present in the thyroid hormone receptor, in the v-erbA oncogene product and in the retinoic acid receptor." <i>EMBO J.</i> 1992 Mar;11(3):1015-23 | |
| A7 | Bourguet, <i>et al.</i> "Crystal structure of the ligand-binding domain of the human nuclear receptor RXR- α ." <i>Nature.</i> 1995 Jun 1;375(6530):377-82 | |
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| A9 | Chen <i>et al.</i> "SMRT isoforms mediate repression and anti-repression of nuclear receptor heterodimers." <i>Proc. Natl. Acad. Sci. U.S.A.</i> 1996 Jul 23;93(15):7567-71 | |
| A10 | Chen <i>et al.</i> "Coactivation and corepression in transcriptional regulation by steroid/nuclear hormone receptors." <i>Crit. Rev. Eukaryot. Gene Expr.</i> 1998;8(2):169-90 | |
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| A14 | Fischbeck <i>et al.</i> "Kennedy disease." <i>J. Inherit. Metab. Dis.</i> 1997 Jun;20(2):152-8 | |
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| Examiner | | Date Considered |

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Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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| APPROPRIATE FACSIMILE OF FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY DOCKET NO UMG-030 | SERIAL NO. 09/819,104 |
| LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary) | | APPLICANT Chen, J. Don | |
| | | FILING DATE March 27, 2001 | GROUP 1645 |

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|-----|---|
| B1 | Gelmetti <i>et al.</i> "Aberrant recruitment of the nuclear receptor corepressor-histone deacetylase complex by the acute myeloid leukemia fusion partner ETO." <i>Mol. Cell Biol.</i> 1998;18(12):7185-91 |
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| B3 | Hanna-Rose <i>et al.</i> "Active repression mechanisms of eukaryotic transcription repressors." <i>Trends Genet.</i> 1996 Jun;12(6):229-34 |
| B4 | He <i>et al.</i> "Distinct interactions of PML-RAR α and PLZF-RAR α with co-repressors determine differential responses to RA in APL." <i>Nat. Genet.</i> 1998 Feb;18(2):126-35 |
| B5 | Heinzel <i>et al.</i> "A complex containing N-CoR, mSin3 and histone deacetylase mediates transcriptional repression." <i>Nature.</i> 1997 May 1;387(6628):43-8 |
| B6 | Hong <i>et al.</i> "SMRT corepressor interacts with PLZF and with the PML-retinoic acid receptor α (RAR α) and PLZF-RAR α oncoproteins associated with acute promyelocytic leukemia." <i>Proc. Natl. Acad. Sci. U.S.A.</i> 1997 Aug 19;94(17):9028-33 |
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| B11 | Li <i>et al.</i> "Characterization of receptor interaction and transcriptional repression by the corepressor SMRT." <i>Mol. Endocrinol.</i> 1997 Dec;11(13):2025-37 |
| B12 | Lin <i>et al.</i> "Role of the histone deacetylase complex in acute promyelocytic leukaemia." <i>Nature.</i> 1998 Feb 19;391(6669):811-4 |
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| B15 | Nagy <i>et al.</i> "Nuclear receptor repression mediated by a complex containing SMRT, mSin3A, and histone deacetylase." <i>Cell.</i> 1997 May 2;89(3):373-80 |
| B16 | Ogata <i>et al.</i> "Solution structure of a specific DNA complex of the Myb DNA-binding domain with cooperative recognition helices." <i>Cell.</i> 1994 Nov 18;79(4):639-48 |
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| B18 | Park <i>et al.</i> "SMRTE, a silencing mediator for retinoid and thyroid hormone receptors-extended isoform that is more related to the nuclear receptor corepressor." <i>Proc. Natl. Acad. Sci. U.S.A.</i> 1999 Mar 30;96(7):3519-24 |
| B19 | Rastinejad <i>et al.</i> "Structural determinants of nuclear receptor assembly on DNA direct repeats." <i>Nature.</i> 1995 May 18;375(6528):203-11 |
| B20 | Reddy <i>et al.</i> "The complex pathology of trinucleotide repeats." <i>Curr. Opin. Cell Biol.</i> 1997 Jun;9(3):364-72 |

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UMG-030

09/819,104

APPLICANT

Chen, J. Don

FILING DATE

March 27, 2001

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LIST OF PUBLICATIONS CITED BY APPLICANT
(Use several sheets if necessary)

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|---|--|
| C1 | Renaud <i>et al.</i> "Crystal structure of the RAR- γ ligand-binding domain bound to all- <i>trans</i> retinoic acid." <i>Nature</i> . 1995 Dec 14;378(6558):681-9 |
| C2 | Sande <i>et al.</i> "Identification of TRACs (T_3 receptor-associating cofactors), a family of cofactors that associate with, and modulate the activity of, nuclear hormone receptors." <i>Mol. Endocrinol.</i> 1996 Jul;10(7):813-25 |
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| C7 | Wong <i>et al.</i> "Components of the SMRT corepressor complex exhibit distinctive interactions with the POZ domain oncoproteins PLZF, PLZF-RAR α , and BCL-6." <i>J. Biol. Chem.</i> 1998 Oct 16;273(42):27695-702 |
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| C10 | Zhang <i>et al.</i> "Proteasomal regulation of nuclear receptor corepressor-mediated repression." <i>Genes Dev.</i> 1998 Jun 15;12(12):1775-80 |
| C11 | Zhang <i>et al.</i> "A nuclear receptor corepressor modulates transcriptional activity of antagonist-occupied steroid hormone receptor." <i>Mol. Endocrinol.</i> 1998 Apr;12(4):513-24 |
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